

FIG. 9

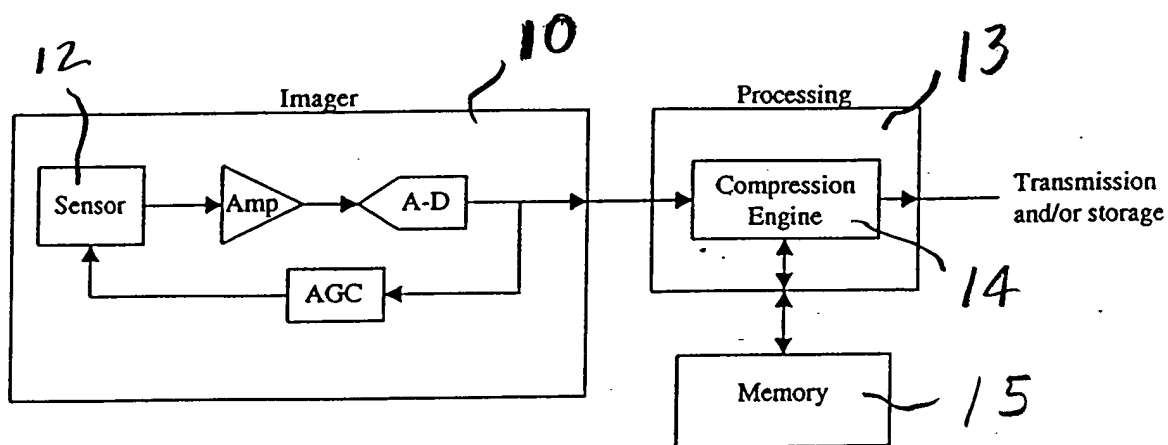


FIG. 1

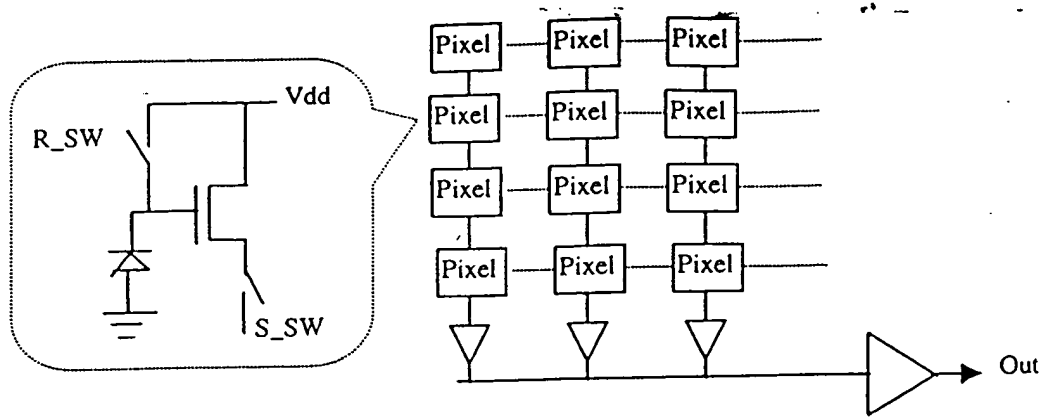


FIG. 2

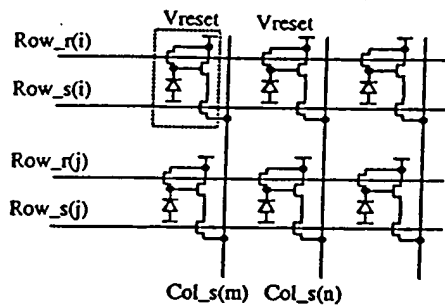


FIG. 3

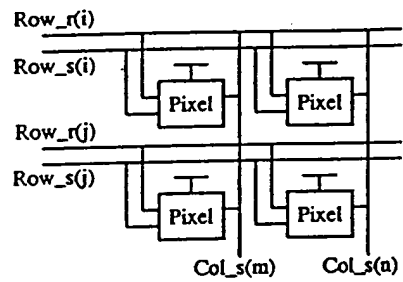


FIG. 4

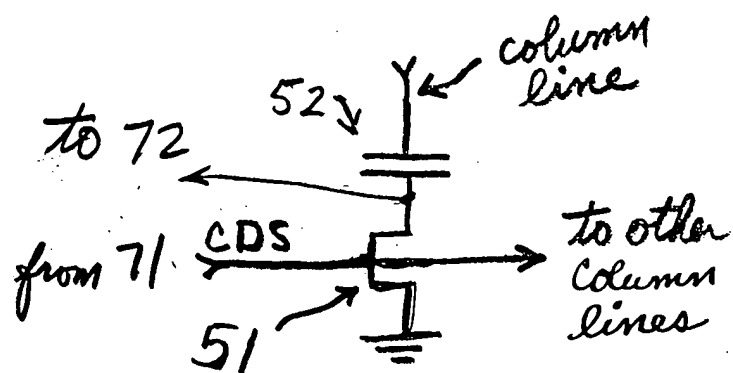
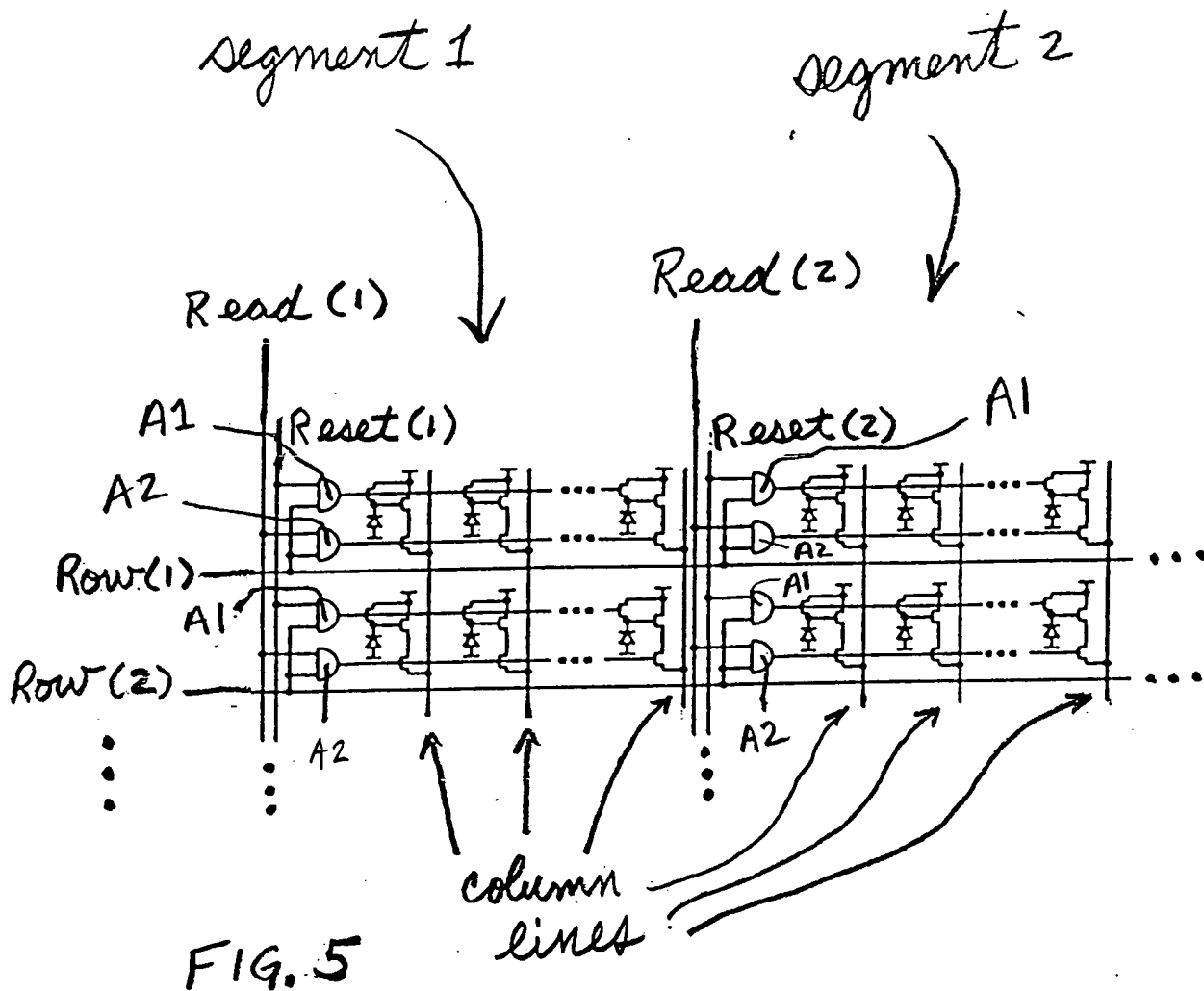


FIG. 5A

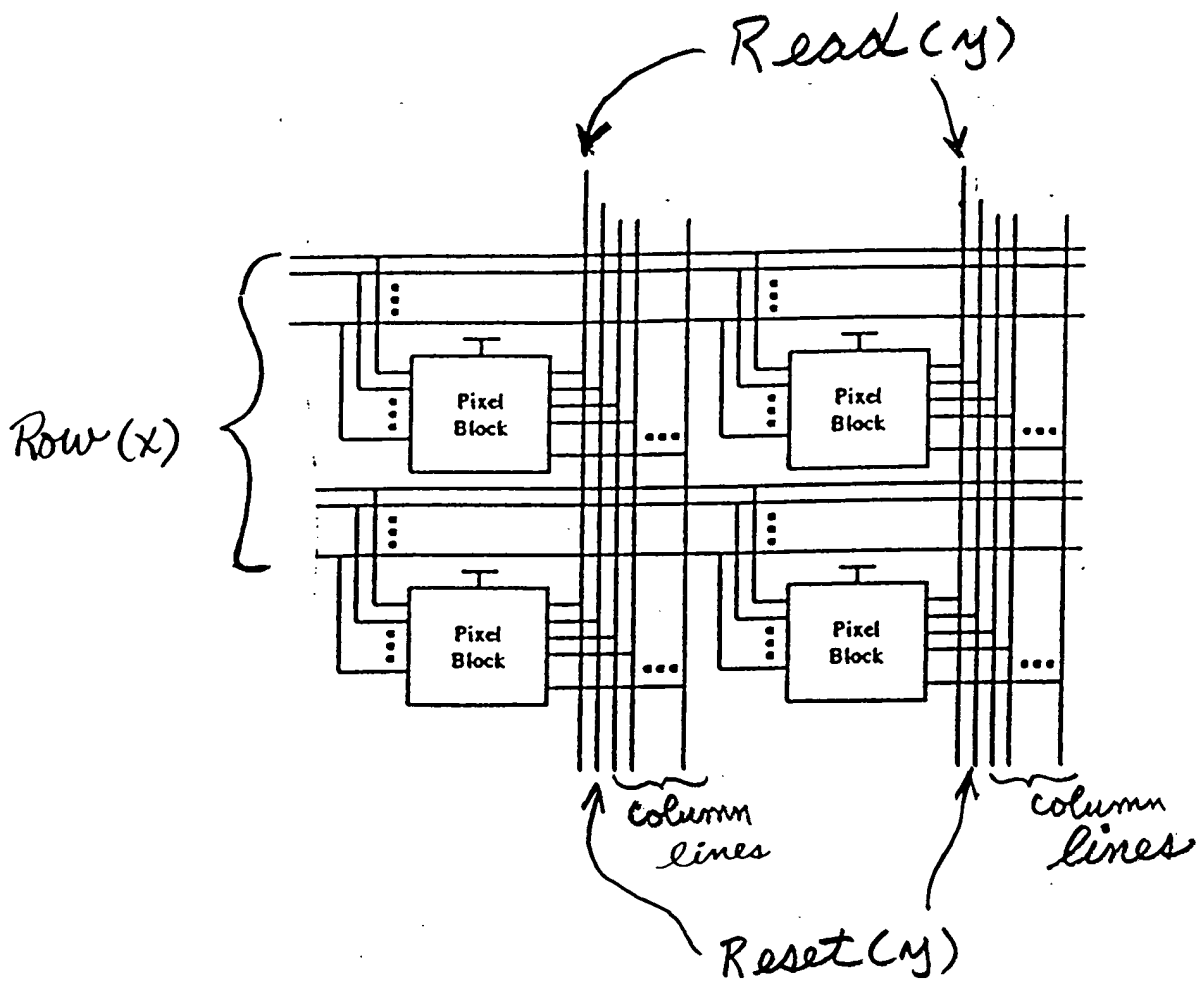


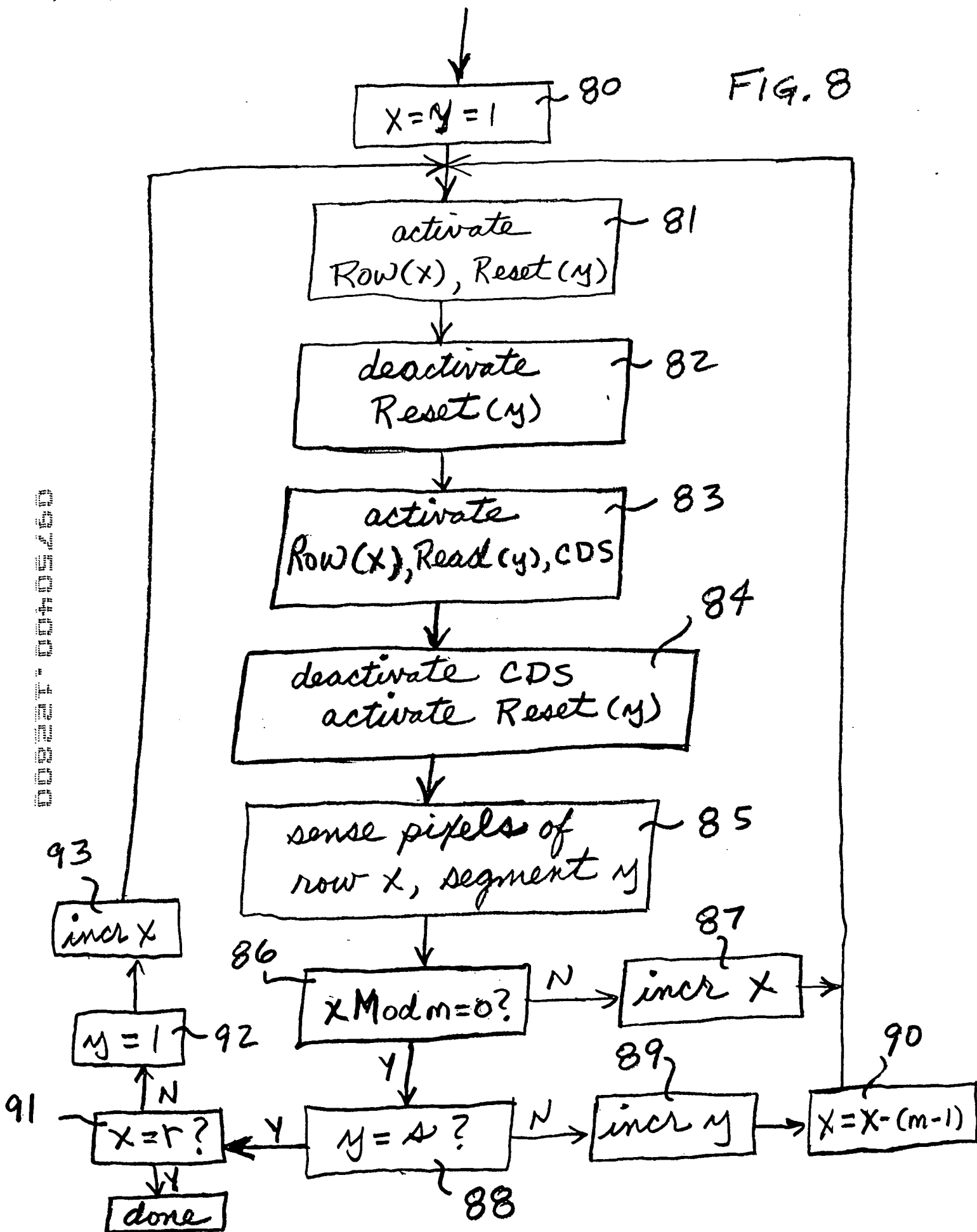
FIG. 6

Hand-drawn block diagram of a read-out circuit:

- Block Read-out Controller (71)**: The central control unit.
- CDS**: Correlated Double Sampling block, connected to the controller.
- Row (x)**, **Reset (y)**, and **Read (y)**: Signals sent from the controller to the CDS block.
- to sense array**: A bracket indicating that the Row, Reset, and Read signals are sent to the sense array.
- column mux control (70)**: A control signal sent from the controller to the multiplexer.
- Multiplexer (72)**: A component that selects between multiple inputs based on the control signal.
- column lines**: Signals sent from the **from sense array** to the multiplexer.
- from sense array**: The source of the column lines.

FIG. 7

FIG. 8



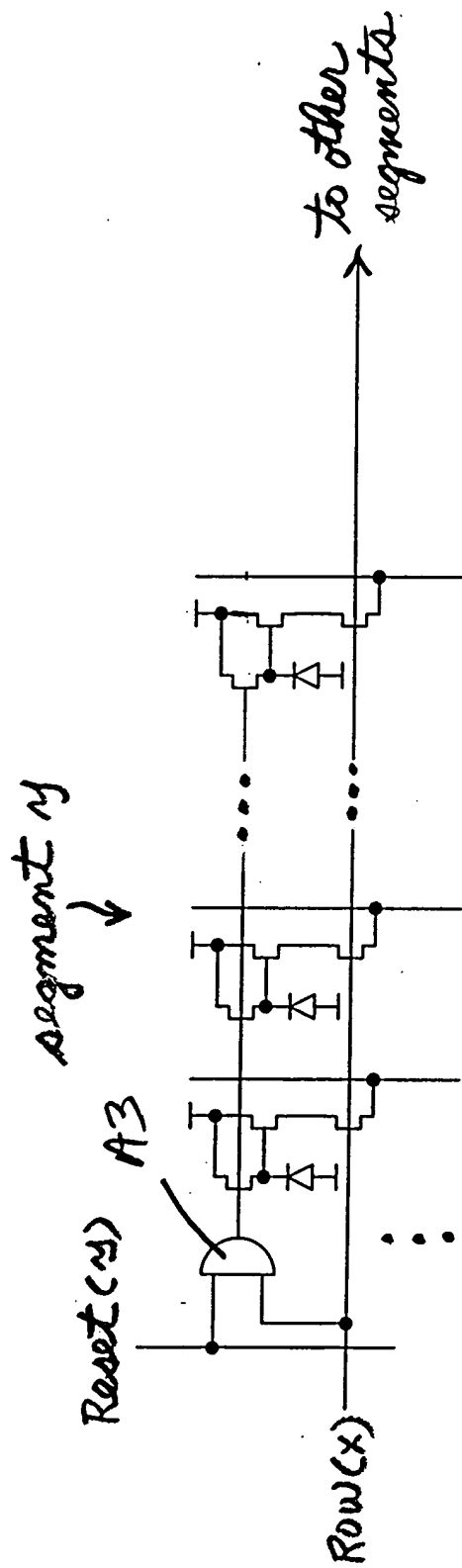


FIG. 10